

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. A single-part shear coupling consisting of a cylindrical body with an internally threaded cavity in one end of said body and externally threaded pin on the other end of said body, a cylindrical hollow part of said body joining both said ends of the body is weakened by a groove providing a stress concentration point where the coupling will part, when exposed to a predetermined desired load.
2. A single-part shear coupling consisting of a cylindrical hollow body with an internal thread in both ends of said body, which is weakened by a groove positioned between said threaded ends of the cylinder providing a stress concentration point where the coupling will part, when exposed to a predetermined desired load.
3. A shear coupling according to claim 1 or 2, where the surface of the groove is protected by corrosion preventing coating.
4. A shear coupling according to claim 1 or 2, where the inside surface of the cylindrical body of said coupling, opposite to the outside groove, is protected by corrosion preventing coating.
5. A shear coupling according to claim 1 or 2, where the stress concentration point is provided by locally reducing the outside diameter of the body of the said coupling.
6. A shear coupling according to claim 1 or 2, where the stress concentration point is provided by locally enlarging the inside diameter of the body of the said coupling.
7. A shear coupling according to claim 1 or 2, where the stress concentration point is provided by locally reducing the outside diameter of the body of the said coupling and also locally enlarging the inside diameter of the body of the said coupling.
8. A shear coupling according to claim 1 or 2, where the stress concentration point is provided by a number of openings in the cylindrical body of the said coupling, situated on the circumference of the body of the coupling in one or more rows, oriented perpendicularly to the axle of the coupling.

9. A shear coupling according to claim 1 or 2, where the stress concentration point is provided by a number of cavities in the cylindrical body, situated on the circumference of the body of the said coupling in one or more rows, oriented perpendicularly to the axle of the coupling.